Cost-based Information Management under the "Internet +" Background

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ABSTRACT: The combination of project cost management reform needs and computer technology, Internet technology under the background of "Internet +" is put into the application and development of the "Internet +" application of the concept of innovative approaches to the management of project cost information. Through the establishment of the project cost and improve the industry website, the establishment of information systems, and improve database, network and software integration of information, establishment of enterprise information network at all levels, etc., to improve the defects and shortcomings of the current management of cost information, cost information to promote market-oriented management information process.

1 "INTERNET +" DEVELOPMENT TREND

From the current situation, "Internet+" still in its infancy, in the areas of "Internet+" still doing the demonstration and exploration, especially those very traditional industry, they are trying to increase their own interests through the Internet platform. Traditional industries such as marketing, Internet technology began to try, with B2B, B2C and other electronic business platform to network marketing channel expansion, enhanced online promotion and publicity efforts, gradually try to bring the convenience of network marketing.

2 COST MANAGEMENT IN CURRENT ISSUES

At present, the level of information management in the field of construction is relatively low, the construction cost information industry is particularly prominent, and some construction companies, the cost of consulting professionals still rely on the accumulation of human experience, common form of computer memory. For the results of the cost data storage, data analysis without an effective management, use patterns, resulting in many places duplication, inefficiency, it is difficult to timely and effective program budget, design optimization, bidding, construction, alteration, timely settlement stage proposed document cost control programs, mainly in:

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2.1 Static management is difficult to respond to market changes

2.1.1 Static Quota

And quotas is generally 2 to 3 years, the reference price of a certain time limit, it is difficult to fully reflect changes in the market. Thus, inevitably there is a serious lag, while a certain extent, also erased its accuracy, scientific and informative. And current reality, the majority of enterprises are still using the unified standard, rigid quotas, it is difficult to highlight the differences between enterprises, it is difficult to show a competitive advantage.

2.1.2 Lack of solutions and approaches

Increasingly modern building scale, necessarily requires complex social division of labor and cooperation, but also necessarily requires a higher level of organization, management and coordination level, no doubt to the burden of the project department specific production management presents new challenges. How to achieve the project's cost, schedule and quality control? How to achieve each specific goal? How do the overall coordination and management of the project? In addition to the necessary advanced management ideas, modern technology is necessary.

2.2 Lagging hamper data collection and management of project cost dynamic control process

Dynamic control of the project cost can not be separated if timely, accurate and fully reflect changes in the data market, at the same time, the control process and ultimately, historical data analysis and summary. This requires a unified format can be a strong continuity of data transfer network, and now, although many companies have used the computer, and some also established a local area network, but the collection and management of data still can not meet the needs of dynamic cost control.

2.2.1 Data storage problems more big loophole

Data involved in the project, it is necessary accumulated by certain ways, and need keep it for future reference. Through a written form archiving, security can not be guaranteed, easily lost without standardized processing and finishing, less flexible and convenient to use.

2.2.2 Data lacks versatility

Many corporate data, reports just to cope with the higher authorities, supervision and application owners, the lack of the same format, which produce many forms of software incompatibility is its cause; and in order to cope with the reliability of data and also made naturally reduced.

2.2.3 Not sufficiently flexible to use data

In many construction companies, some of the historical experience of personal data is only stored in the private space, but can not afford the corresponding dissemination and utilization across the enterprise; some of the information, although made the corresponding collection, but also keep up with the management of so that these data can only become a "profile", became CRDA decorations, lack of a unified classification and computerization, not to mention timely and fully utilized.
2.2.4 Most of the lack of cost consulting unit dedicated database system

No available and effective inquiry system market inquiry process is also due to the different impact of personnel, the results are quite different channels. Some units use the database system has been established to complete the project there are too few types of projects, the overall construction industry can not keep up the pace of the rapid development of the urgent need to reform the existing cost consulting industry, the old management model to create a new type of big data management standardization system.

3 COST INTERNET+ BACKGROUND INFORMATION MANAGEMENT

The emergence of the Internet, is a major technological advancement in human history. It will change the way we live, work and socio-economic operation mode fundamentally. But also to project cost management information provides a rare opportunity for development.

3.1 "Internet +" is the achievement of sustainable development is important to support force.

Depth development of the Internet and widely used for project cost management to bring valuable new opportunity to promote the rapid development of engineering cost management. With the rapid development of network technology, the Internet has penetrated into all areas of people's lives and work, which greatly promoted the development of communication and information, but also for cross-regional information resource sharing project cost possible.

3.2 "Internet +" is the basic means to achieve cost management modernization, digital.

Internet thinking on project cost management within the depth of, it means, and ways of thinking have had a fundamental change, through the introduction of Internet-based information management system, greatly improving the work efficiency of the industry, to minimize human consumption can be quickly and efficiently, accurately project cost management, in order to meet the industry by leaps and bounds provide the necessary material foundation.

3.3 "Internet +" to quickly upgrade market, the pace of internationalization of the project cost.

Internet provides an unprecedented socialization convenient means of collaboration. Requires the mobilization of large amounts of data collected in different regions of the human society through collaboration and conducted previously unimaginable processing work, the use of Internet technology can be easily achieved, and uniform standards, unified interface, unified management and unified use, but also greatly reduce the duplication of regional differences and other issues, thereby reducing construction costs and the cost of the whole society, the community has created tremendous value.
3.4 "Internet +" drive down the cost of Construction Cost

Statistics show that the proportion of the cost of construction materials in the investment funds as high as about 70%, and showing an increasing trend. Construction Cost information management can help keep abreast of market construction unit prices of various construction materials, and so draw the diagram of price fluctuations, thus providing the basis for the selection of suitable construction materials, effectively reducing the cost of construction project cost.

3.5 "Internet +" will help improve the level of market services

Construction Cost information management system, not only a very large volume of data, and a variety of resources to achieve the sharing of information, which helps building works construction units to keep abreast of the latest data, enhance the competitiveness of the construction market, to a certain extent, facilitate their market to improve service levels.

4 "INTERNET +" COST MANAGEMENT

4.1 Establish industry-related websites

4.1.1 Project Cost Information Network

Project cost information specifically refers to the project cost and the relevant laws, regulations, price mobilize documents, cost reports, and other indicators of the impact of project cost information. Currently, there are a lot of local governments to establish a price information network, but the status quo is not ideal. Outstanding performance is twofold: First, most of the data on the page is the whole fixed data card, no variability, but is the type of paper documents on the Internet, it did not establish the appropriate database, also did not play Quick Search, assist in the analysis of the function; the second is fragmented local governments, there is no uniform classification format of the information, the lack of uniform diameter, the user is difficult to directly quote a number of sites over the Internet index, a comparative analysis more difficult. Establish a unified information network cost, not only conducive to the user's query, analysis and decision-making, more conducive to national authorities to implement a unified management and coordination, so that project cost management, unified, scale and orderly.

4.1.2 Material Price Information Network

Changes in the price of materials will directly affect the project budget and final accounts, dynamic control of the project cost plays a decisive role. And now many of the most material price information network only provides material name, specifications and other general situation, the lack of comparable price and the corresponding parameters, more detailed information not to mention the quality of materials and the like.

4.2 Information, software integration between each other

4.2.1 Information and Cost Software

The current cost of software on the market prices of most of the materials required
for the use of artificial price entry form. Some overall introduction, while others are an input, which greatly influenced the course of rapid quotes, but not in time with the market, between the invisible weaken the competitiveness of enterprises. Integration of information network and cost of software will eliminate this contradiction, in the cost of software is introduced directly by clicking the appropriate button, enter to introduce details of the location information, you can always get the price of the corresponding material, if introduced material prices have change early warning system software will automatically alert the operator to update prices. This not only shortens the time entry price of materials, but also to achieve the purpose of the update.

4.2.2 Information and schedule control software

An important goal of the project is to control cost control, and cost control in virtually also affect the progress and quality control, while changes in the market will directly affect the allocation of resources and the cost of inputs, which will lead to changes in the progress of the project. Therefore, the progress of the project site control should also reflect the changes in the market through cost control moment. And integration progress control information network will also become inevitable. Of course, the integration of software and information network information network to establish greater than difficult, but it is really an inevitable trend of development of the construction industry, but also will bring a broad market prospect.

4.3 Establishment of information networks at all levels of the enterprise

Construction of internal communication and exchange business is very complicated and necessary, but the traditional way of the current meeting, documents, and telephone exchange at any time is difficult to achieve the purpose of the establishment of appropriate corporate website is imminent. First, enterprises should establish their own local area network, to build rational management information system, so that the computer control human, financial, material and other aspects, and secondly, if the conditions, the purpose of the establishment of the local area network, so that project progress control information oriented, while the corporate website together to build a communication platform.

4.4 Establishing Dynamic Cost Information System

With the continuous expansion of Internet and Intranet applications and the promotion of the geographical scope of the project, construction companies need to establish a dynamic cost information system (MIS Intranet-based system). So that each department can obtain price information project cost information from the system, but can also be the actual cost of the project feedback information to an information system. Dynamic cost refers to the cost of information systems based information system Intranet mode is based.

5 REFERENCES
2. REN Ming, CENTRAL. The impact of the Internet on project cost management of information technology. Henan Finance & Taxation College. 2009 (8).
6. Yong-Chun Huang. Internet + engineering cost consulting project management era B. Construction. 2015 (07).
11. Lee Wing. On the new energy power generation project cost control architecture and culture. 2013 (12).